

## MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

REPORT FOR:

MONTH

December

YEAR

1998

SIGNATURE

Amy McCullough

In Charge of HSA

DATE

January 10, 1998

TO: Hydrometeorological Information Center, W/OH2  
NOAA / National Weather Service  
1325 East West Highway, Room 7230  
Silver Spring, MD 20910-3283

*When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).*

☒ No flood stages were reached in this HSA for the month above.

The San Angelo HSA experienced slightly above normal precipitation for the month of December in the northern and northeastern areas, and below normal precipitation elsewhere. The heaviest rainfall occurred on the 3<sup>rd</sup> and the 11<sup>th</sup> of the month, although rainfall amounts were generally below one inch. No flash flooding or river flooding occurred. Light precipitation occurring on the 21<sup>st</sup> through 23<sup>rd</sup> came in the form of freezing drizzle and freezing rain.

San Angelo received 0.49 inches of precipitation in December, which was 0.30 inches below normal. Abilene saw above normal precipitation for December, with 1.37 inches. This is 0.34 inches above normal for the month. Soil moisture is low and the threat of flooding remains low across the HSA. Cooperative rainfall observers generally reported between .5 and 1.5 inches of rain for December.

Products Issued:

Daily River Summary                      30

## Annual Recap

The year of 1998 was very dry for the San Angelo HSA. San Angelo ended the year with only 12.98 inches of precipitation, which was 7.47 inches below normal. Abilene ended the year with 13.88 inches of rainfall, which was 10.52 inches below normal. Unfortunately, the driest months occurred during the growing season, which had a profound effect on area agriculture. Losses to crops and livestock from the drought were estimated at just over \$150 million. Water restrictions went into effect during the summer in San Angelo and were more extensive than normal and extended beyond the normal October ending time. These restrictions will continue as long as the combined Lake Nasworthy, Twin Buttes Reservoir and O. C. Fisher Reservoir storage remains below 55,000 ac-ft. The driest area was across the northern and northwestern areas along the Clear Fork of the Brazos and Upper Colorado Rivers. The Llano and Pecan Bayou river basins across Brown, Coleman, San Saba, Mason, and Kimble counties received the most rainfall for the year. These areas saw nearly normal rainfall for the year. Much of this rainfall came in the month of August when the remnants of Tropical Storm Charlie became nearly stationary across the southern HSA for a few days. August was the only month that saw significant river flooding, with the Llano River cresting nearly 9 feet above flood stage at Junction. Some yearly rainfall totals include:

Location	Jan - Jun Rainfall	Annual Rainfall	Normal Rainfall
Abilene	8.08	13.88	24.40
Anson	5.88	10.13	25.77
Ballinger 2NW	12.45	19.48	23.30
Coleman	15.65	25.84	27.95
Haskell	9.04	14.43	26.12
Ozona 1 SSW	4.79	17.19	19.24
Paint Rock	9.66	18.88	24.81
Richland Springs	11.26	29.10	26.80
Sonora	9.22	24.59	22.36
Trent	6.75	12.43	24.01